

Database Answers

Learn Data Modelling
by Example



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Here are my current thoughts about a new Chapter for my forthcoming book

Chapter 17 : Data Modeling in the Clouds

17.1 Current State-of-the-Art

Currently, CA is providing thought leadership with their ERWin product.

... More details will be added ...

17.2 A Vision of the Future

In the future, we can predict that we would have access to a range of Data Models in the Clouds that we could use as a starting-point in creating own Models- in the Clouds, of course.

We would do this by mixing-and-matching and extending existing Data Models to meet own unique requirements.

Donna and Nuccio - Could we set up a simple demonstration using ERWin that I could include in the book ???

It could be based on the Student Information System as shown below.

This will tie in with my plans to publish my book on the Amazon Kindle Fire and Apple iPad.

We would like to find Data Models for some Vertical Applications, such as Retail, and some Generic Models that we could apply to our own purposes.

On my Database Answers site there is a page listing about 950 Models that could provide a starting-point for creating this kind of facility :-

- http://www.databaseanswers.org/data_models/index.htm

Here is our Vertical Model for Retail Customers :-

- http://www.databaseanswers.org/data_models/retail_customers/index.htm

and a range of Generic Models :-

- http://www.databaseanswers.org/data_models/generic_data_models.htm

An Example

Here is an example based on creating a Data Model for an Integrated Students Information System from separate Models focussed on five Student-related separate areas.

The five areas are :-

- Assessments – http://www.databaseanswers.org/data_models/student_assessments/index.htm
- Assignments - http://www.databaseanswers.org/data_models/student_assignments/index.htm
- Loans - http://www.databaseanswers.org/data_models/student_loans/index.htm
- Registration - http://www.databaseanswers.org/data_models/student_registration/index.htm
- Transcripts – http://www.databaseanswers.org/data_models/students_transcript_tracking/index.htm

In addition, a Student Data Mart will be created along these lines :-

- http://www.databaseanswers.org/data_models/student_registration/student_registration_data_mart_model.htm

A typical Integrated Student Information System will look something like this :-

- http://www.databaseanswers.org/data_models/student_information_systems/index.htm

